

Pro Gly Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys

Human Guanylin (SEQ ID NO: )

---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 1)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 2)
---	---	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 3)
---	---	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 4)
---	---	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 5)
---	---	---	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 6)
---	---	---	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 7)
---	---	---	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 8)
---	---	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 9)
---	---	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 10)
---	---	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 11)
---	---	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 12)
---	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 13)
---	---	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 14)
---	---	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 15)
---	---	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 16)
---	---	Thr	Cys	---	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 17)
---	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 18)
---	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 19)
---	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 20)
---	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 21)
---	---	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 22)
---	---	Thr	Cys	Gly	---	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 23)
---	---	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 24)
---	---	Thr	Cys	Gly	---	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 25)
---	---	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 26)
---	---	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 27)
---	---	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 28)
---	---	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 29)
---	---	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 30)
---	---	Thr	Cys	Gly	Glu	---	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 31)
---	---	Thr	Cys	Gly	Glu	---	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 32)
---	---	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 33)
---	---	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 34)
---	---	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 35)
---	---	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 36)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala					

**FIG. 3**  
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---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 1)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 2)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 3)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 4)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 5)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 6)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 7)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 8)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 9)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 10)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 11)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 12)
---	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 13)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 14)
---	Gly	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 15)
---	Gly	---	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 16)
---	Gly	---	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 17)
---	Gly	---	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 18)
---	Gly	---	Cys	---	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 19)
---	Gly	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 20)
---	Gly	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 21)
---	Gly	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 22)
---	Gly	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 23)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 24)
---	Gly	---	Cys	Gly	---	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 25)
---	Gly	---	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 26)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 27)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 28)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 29)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 30)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 31)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 32)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 33)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 34)
---	Gly	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 35)
---	Gly	---	Cys	Gly	---	---	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 36)
---	Gly	---	Cys	Gly	---	---	Cys	Ala	Tyr	Ala	---					

**FIG. 3**  
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---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 1)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 2)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 3)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 4)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 5)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 6)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 7)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 8)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 9)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 10)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 11)
---	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 12)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 13)
---	Gly	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 14)
---	Gly	Thr	Cys	---	---	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 15)
---	Gly	Thr	Cys	---	---	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 16)
---	Gly	Thr	Cys	---	---	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 17)
---	Gly	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 18)
---	Gly	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 19)
---	Gly	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 20)
---	Gly	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 21)
---	Gly	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 22)
---	Gly	Thr	Cys	---	Glu	---	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 23)
---	Gly	Thr	Cys	---	Glu	---	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 24)
---	Gly	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 25)
---	Gly	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 26)
---	Gly	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 27)
---	Gly	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 28)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 29)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	---	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 30)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 31)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 32)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 33)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 34)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 35)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 36)
---	Gly	Thr	Cys	---	Glu	Ile	Cys	Ala	---	Ala	---	Cys				

**FIG. 3**  
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[illegible]

**FIG. 3**  
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---	Gly	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 1)
---	Gly	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 2)
---	Gly	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 3)
---	Gly	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 4)
---	Gly	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 5)
---	Gly	Thr	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 6)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 7)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 8)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	---	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 9)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	---	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 10)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 11)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 12)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 13)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 14)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 15)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 16)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 17)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 18)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 19)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 20)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 21)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 22)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 23)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 24)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 25)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 26)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 27)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 28)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 29)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 30)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 31)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 32)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 33)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 34)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	---	Gly	Cys	(SEQ ID NO: 35)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	---	Cys	(SEQ ID NO: 36)
---	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	Gly</		

Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 1)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 2)
Pro	---	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 3)
Pro	---	---	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 4)
Pro	---	---	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 5)
Pro	---	---	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 6)
Pro	---	---	Cys	---	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 7)
Pro	---	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 8)
Pro	---	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 9)
Pro	---	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 10)
Pro	---	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 11)
Pro	---	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 12)
Pro	---	---	Cys	Gly	---	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 13)
Pro	---	---	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 14)
Pro	---	---	Cys	Gly	---	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 15)
Pro	---	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 16)
Pro	---	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 17)
Pro	---	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 18)
Pro	---	---	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 19)
Pro	---	---	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 20)
Pro	---	---	Cys	Gly	Glu	---	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 21)
Pro	---	---	Cys	Gly	Glu	---	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 22)
Pro	---	---	Cys	Gly	Glu	---	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 23)
Pro	---	---	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 24)
Pro	---	---	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 25)
Pro	---	---	Cys	Gly	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 26)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 27)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	---	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 28)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 29)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 30)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 31)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 32)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 33)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 34)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 35)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 36)
Pro	---	---	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala					

**FIG. 3**  
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Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 1)
Pro	---	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 2)
Pro	---	Thr	Cys	---	---	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 3)
Pro	---	Thr	Cys	---	---	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 4)
Pro	---	Thr	Cys	---	---	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 5)
Pro	---	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 6)
Pro	---	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 7)
Pro	---	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 8)
Pro	---	Thr	Cys	---	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 9)
Pro	---	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 10)
Pro	---	Thr	Cys	---	Glu	---	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 11)
Pro	---	Thr	Cys	---	Glu	---	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 12)
Pro	---	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 13)
Pro	---	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 14)
Pro	---	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 15)
Pro	---	Thr	Cys	---	Glu	---	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 16)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 17)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	---	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 18)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 19)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 20)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 21)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 22)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 23)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 24)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	---	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 25)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 26)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 27)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 28)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 29)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 30)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 31)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 32)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 33)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 34)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 35)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 36)
Pro	---	Thr	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys</				

**FIG. 3**  
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Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 1)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 2)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 3)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 4)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 5)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 6)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 7)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 8)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 9)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 10)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 11)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 12)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 13)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 14)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 15)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 16)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 17)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 18)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 19)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 20)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 21)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 22)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 23)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	---	Gly	Cys	(SEQ ID NO: 24)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	---	Cys	(SEQ ID NO: 25)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 26)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	---	Cys	(SEQ ID NO: 27)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 28)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 29)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 30)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	---	---	Cys	(SEQ ID NO: 31)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 32)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 33)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 34)
Pro	---	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 35)
Pro	Gly	---	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 36)
Pro	Gly	---	Cys	---	Glu	Ile	Cys	Ala	Tyr	Ala	Ala	C				

**FIG. 3**  
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[illegible]

**FIG. 3**  
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[illegible]

**FIG. 3**  
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Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	---	---	Cys Thr Gly Cys	(SEQ ID NO: 1)				
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	---	Ala Cys	Gly Cys	(SEQ ID NO: 2)				
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	---	Ala Cys Thr	---	Cys (SEQ ID NO: 3)				
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	Ala	---	Cys Thr Gly Cys	(SEQ ID NO: 4)				
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	Ala	---	Cys	---	Gly Cys (SEQ ID NO: 5)			
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	Ala	---	Cys Thr	---	Cys (SEQ ID NO: 6)			
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	Ala	Ala	Cys	---	Gly Cys (SEQ ID NO: 7)			
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	Ala	Ala	Cys	---	---	Cys (SEQ ID NO: 8)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	Ala	Ala	Cys Thr	---	Cys (SEQ ID NO: 9)			
Pro Gly Thr Cys	---	Glu Ile Cys Ala	---	Ala	Cys Thr Gly Cys				(SEQ ID NO: 10)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	---	---	Cys Thr Gly Cys			(SEQ ID NO: 11)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	---	---	Cys	---	Gly Cys	(SEQ ID NO: 12)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	---	---	Cys Thr	---	Cys	(SEQ ID NO: 13)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	---	---	Cys	---	Cys	(SEQ ID NO: 14)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	---	Ala	Cys	---	Gly Cys	(SEQ ID NO: 15)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	---	Ala	Cys	---	---	Cys (SEQ ID NO: 16)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	---	Ala	Cys Thr	---	Cys	(SEQ ID NO: 17)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	Ala	---	Cys Thr Gly Cys			(SEQ ID NO: 18)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	Ala	---	Cys	---	Gly Cys	(SEQ ID NO: 19)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	Ala	---	Cys	---	---	Cys (SEQ ID NO: 20)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	Ala	---	Cys Thr	---	Cys	(SEQ ID NO: 21)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	Ala	Ala	Cys	---	Gly Cys	(SEQ ID NO: 22)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	Ala	Ala	Cys	---	---	Cys (SEQ ID NO: 23)		
Pro Gly Thr Cys	---	Glu Ile Cys Ala	Tyr	Ala	Ala	Cys Thr	---	Cys	(SEQ ID NO: 24)		
Pro Gly Thr Cys Gly	---	Ile Cys Ala	Tyr	Ala	Ala	Cys Thr Gly Cys			(SEQ ID NO: 25)		
Pro Gly Thr Cys Gly	---	---	Cys Ala	Tyr	Ala	Ala	Cys Thr Gly Cys		(SEQ ID NO: 26)		
Pro Gly Thr Cys Gly	---	---	Cys	---	---	Ala	Ala	Cys Thr Gly Cys	(SEQ ID NO: 27)		
Pro Gly Thr Cys Gly	---	---	Cys	---	Tyr	---	Ala	Cys Thr Gly Cys	(SEQ ID NO: 28)		
Pro Gly Thr Cys Gly	---	---	Cys	---	Tyr	Ala	---	Cys Thr Gly Cys	(SEQ ID NO: 29)		
Pro Gly Thr Cys Gly	---	---	Cys	---	Tyr	Ala	Ala	Cys	---	Gly Cys (SEQ ID NO: 30)	
Pro Gly Thr Cys Gly	---	---	Cys	---	Tyr	Ala	Ala	Cys Thr	---	Cys (SEQ ID NO: 31)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	---	Ala	Ala	Cys Thr Gly Cys		(SEQ ID NO: 32)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	---	Ala	---	Cys Thr Gly Cys		(SEQ ID NO: 33)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	---	Ala	Ala	Cys	---	Gly Cys (SEQ ID NO: 34)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	---	Ala	Ala	Cys Thr	---	Cys (SEQ ID NO: 35)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	Tyr	---	Ala	Cys Thr Gly Cys		(SEQ ID NO: 36)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	Tyr	---	---	Cys Thr Gly Cys		(SEQ ID NO: 37)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	Tyr	---	Ala	Cys	---	Gly Cys (SEQ ID NO: 38)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	Tyr	Ala	---	Cys Thr Gly Cys		(SEQ ID NO: 39)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	Tyr	Ala	---	Cys	---	Gly Cys (SEQ ID NO: 40)	
Pro Gly Thr Cys Gly	---	---	Cys	Ala	Tyr	Ala	Ala	Cys	---	---	Cys (SEQ ID NO: 41)
Pro Gly Thr Cys Gly	---	---	Cys	Ala	Tyr	Ala	Ala	Cys Thr	---	Cys (SEQ ID NO: 42)	
Pro Gly Thr Cys Gly	---	Ile Cys	---	Tyr	Ala	Ala	Cys Thr Gly Cys			(SEQ ID NO: 43)	

**FIG. 3**  
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Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 1)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	---	Ala	Cys	Thr	Gly	Cys		(SEQ ID NO: 2)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	---	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 3)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 4)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 5)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 6)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 7)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 8)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 9)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 10)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 11)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 12)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 13)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 14)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 15)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 16)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 17)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 18)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 19)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 20)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 21)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 22)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 23)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 24)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 25)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 26)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 27)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 28)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	---	Cys	---	Gly	Cys	(SEQ ID NO: 29)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	---	Cys	(SEQ ID NO: 30)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 31)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	---	Cys	(SEQ ID NO: 32)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 33)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 34)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	---	Cys	---	---	Cys	(SEQ ID NO: 35)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 36)
Pro	Gly	Thr	Cys	Gly	---	Ile	Cys	Ala	Tyr	Ala	Ala	Cys	---	Gly		

**FIG. 3**  
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Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 1)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 2)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	---	Cys	---	Gly	Cys	(SEQ ID NO: 3)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	---	Cys	Thr	---	Cys	(SEQ ID NO: 4)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 5)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	---	---	Cys	(SEQ ID NO: 6)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 7)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 8)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 9)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	---	---	Cys	(SEQ ID NO: 10)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 11)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 12)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 13)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	---	Tyr	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 14)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 15)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 16)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 17)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	---	Cys	---	Gly	Cys	(SEQ ID NO: 18)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	---	Cys	Thr	---	Cys	(SEQ ID NO: 19)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 20)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	---	---	Cys	(SEQ ID NO: 21)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	---	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 22)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 23)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	---	Gly	Cys	(SEQ ID NO: 24)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	---	---	Cys	(SEQ ID NO: 25)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	---	Cys	Thr	---	Cys	(SEQ ID NO: 26)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 27)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	---	---	Cys	(SEQ ID NO: 28)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	---	Ala	Ala	Cys	Thr	---	Cys	(SEQ ID NO: 29)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	Thr	Gly	Cys	(SEQ ID NO: 30)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	Gly	Cys	(SEQ ID NO: 31)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	---	Gly	Cys	(SEQ ID NO: 32)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	---	---	Cys	(SEQ ID NO: 33)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	---	Cys	Thr	---	Cys	(SEQ ID NO: 34)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	Gly	Cys	(SEQ ID NO: 35)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala	Cys	---	---	Cys	(SEQ ID NO: 36)
Pro	Gly	Thr	Cys	Gly	Glu	Ile	Cys	Ala	Tyr	---	Ala					

**FIG. 3**  
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[illegible]

[illegible]

[illegible]

Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Xaa' Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Xaa' Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Xaa' Ala Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Xaa' Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Xaa' Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Xaa' Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Xaa' Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys Xaa' (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Xaa' Ala Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Xaa' Cys Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Xaa' Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa' (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Xaa' Gly Xaa' Cys (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa' (SEQID NO: )  
 Pro Gly Xaa' Xaa' Thr Cys Gly Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys Xaa' (SEQID NO: )

**FIG. 4**  
(sheet 4 of 114)

[illegible]

**FIG. 4**  
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**FIG. 4**  
**(sheet 6 of 114)**

[illegible]



[illegible]



[illegible]

**FIG. 4**  
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**FIG. 4**  
**(sheet 11 of 114)**

[illegible]

**FIG. 4**  
(sheet 12 of 114)

**FIG. 4**  
(sheet 13 of 114)

[illegible]

**FIG. 4**  
(sheet 14 of 114)

[illegible]





[illegible]

[illegible]

**FIG. 4**  
**(sheet 18 of 114)**

[illegible]

**FIG. 4**  
(sheet 19 of 114)

[illegible]

**FIG. 4**  
(sheet 20 of 114)



[illegible]

**FIG. 4**  
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**FIG. 4**  
(sheet 23 of 114)



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**FIG. 4**  
**(sheet 24 of 114)**

[illegible]

[illegible]

[illegible]

**FIG. 4**  
**(sheet 27 of 114)**

[illegible]

[illegible]

[illegible]

**FIG. 4**  
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[illegible]







[illegible]

**FIG. 4**  
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[illegible]





[illegible]

**FIG. 4**  
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Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr Ala Ala xaa' Cys Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr Ala Ala Cys xaa' Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr Ala Ala Cys Thr xaa' Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr Ala Ala Cys Thr Gly xaa' Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala xaa' Tyr Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr xaa' Ala Ala Cys Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr xaa' Ala xaa' Ala Cys Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr xaa' Ala Ala Cys xaa' Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr xaa' Ala Ala Cys Thr xaa' Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr xaa' Ala Ala Cys Thr Gly xaa' Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr xaa' Ala Ala Cys Thr Gly Cys xaa' (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala xaa' Ala Cys Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala xaa' Cys Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala xaa' Cys xaa' Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala xaa' Cys Thr xaa' Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala xaa' Cys Thr Gly xaa' Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala xaa' Cys Thr Gly Cys xaa' (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala Cys xaa' Thr Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala Cys xaa' Thr xaa' Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala Cys xaa' Thr Gly xaa' Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala Cys xaa' Thr Gly Cys xaa' (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala Cys Thr xaa' Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala Cys Thr xaa' xaa' Gly Cys (SEQID NO: )  
Pro Gly Thr xaa' Cys Gly Glu Ile Cys xaa' Ala Tyr Ala Ala Cys Thr xaa' Gly xaa' Cys (SEQID NO: )

FIG. 4

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**FIG. 4**  
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Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Xaa' Gly Cys	(SEQID NO: 1)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Xaa' Cys	(SEQID NO: 2)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Xaa' Cys Thr Gly Cys Xaa'	(SEQID NO: 3)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys	(SEQID NO: 4)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Xaa' Thr Gly Cys	(SEQID NO: 5)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys	(SEQID NO: 6)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Xaa' Gly Cys	(SEQID NO: 7)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Xaa' Cys	(SEQID NO: 8)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa'	(SEQID NO: 9)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Xaa' Thr Gly Cys Xaa'	(SEQID NO: 10)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Gly Cys	(SEQID NO: 11)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Xaa' Xaa' Gly Cys	(SEQID NO: 12)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Xaa' Cys	(SEQID NO: 13)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Xaa' Cys Xaa'	(SEQID NO: 14)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa'	(SEQID NO: 15)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Xaa' Tyr Ala Ala Cys Thr Gly Cys Xaa' Xaa'	(SEQID NO: 16)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Ala Ala Cys Thr Gly Cys	(SEQID NO: 17)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys	(SEQID NO: 18)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys	(SEQID NO: 19)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Xaa' Cys Thr Gly Cys	(SEQID NO: 20)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Xaa' Thr Gly Cys	(SEQID NO: 21)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Xaa' Gly Cys	(SEQID NO: 22)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Xaa' Cys	(SEQID NO: 23)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Ala Cys Thr Gly Cys Xaa'	(SEQID NO: 24)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Ala Cys Thr Gly Cys	(SEQID NO: 25)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys	(SEQID NO: 26)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys	(SEQID NO: 27)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys	(SEQID NO: 28)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys	(SEQID NO: 29)
Pro Gly Thr Xaa' Cys Gly Glu Ile Cys Ala Tyr Xaa' Xaa' Ala Xaa' Xaa' Ala Cys Thr Gly Cys	(SEQID NO: 30)

**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**

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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
**(sheet 57 of 114)**

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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
(sheet 63 of 114)





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**FIG. 4**

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**FIG. 4**  
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**FIG. 4**  
**(sheet 68 of 114)**

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**FIG. 4**  
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**FIG. 4**  
**(sheet 70 of 114)**

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**FIG. 4**

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**FIG. 4**  
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**FIG. 4**

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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
**(sheet 97 of 114)**

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**FIG. 4**

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**FIG. 4**  
**(sheet 100 of 114)**



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**FIG. 4**  
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[illegible]

**FIG. 4**  
**(sheet 105 of 114)**

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**FIG. 4**  
**(sheet 106 of 114)**

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**FIG. 4**  
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**FIG. 4**  
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**FIG. 4**  
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[illegible]

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**FIG. 4**  
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PGTCEICAYAACTGC (human) (SEQ ID NO: )	PGTCAEICAYAACTGC (SEQ ID NO: )
PGTCEICASAACTGC (SEQ ID NO: )	PGTCEAICAYAACTGC (SEQ ID NO: )
PGTCEICATAACTGC (SEQ ID NO: )	PGTCEIACAYAACTGC (SEQ ID NO: )
PGTCEICANAACTGC (SEQ ID NO: )	PGTCEICAAYAACTGC (SEQ ID NO: )
PGTCEICAQAACTGC (SEQ ID NO: )	PGTCEICAYAAACTGC (SEQ ID NO: )
PGTCEICARAACTGC (SEQ ID NO: )	PGTCEICAYAAACTGC (SEQ ID NO: )
PGTCEICAEAACTGC (SEQ ID NO: )	PGTCEICAYAACTAGC (SEQ ID NO: )
PGTCEICADAACTGC (SEQ ID NO: )	PGTCEICAYAACTGAC (SEQ ID NO: )
PGTCEICAGAACTGC (SEQ ID NO: )	PGTCAEICAAAYAACTGC (SEQ ID NO: )
PGTCEICAAAACCTGC (SEQ ID NO: )	PGTCEICAAYAACTGC (SEQ ID NO: )
PGTCEICAMAACTGC (SEQ ID NO: )	PGTCEIACAAYAACTGC (SEQ ID NO: )
PGTCEICATAACTGC (SEQ ID NO: )	SHTCEICAFAAACAGC (SEQ ID NO: )
PGTCEICALAACTGC (SEQ ID NO: )	STCEICAYAACAGC (SEQ ID NO: )
PGTCEICAVAACTGC (SEQ ID NO: )	PNTCEICAYAACTGC (SEQ ID NO: )
PGTCEICAHAACTGC (SEQ ID NO: )	PDPCEICANAACTGCL (SEQ ID NO: )
PGTCEGICAYAACTGC (SEQ ID NO: )	YDECEICMFAACTGC (SEQ ID NO: )
PGTCEIGCAYAACTGC (SEQ ID NO: )	VCEICAFAACTGC (SEQ ID NO: )
PGTCEICGAYAACTGC (SEQ ID NO: )	PDVCDVCAFAACSGC (SEQ ID NO: )
PGTCEICAGYAACTGC (SEQ ID NO: )	LDLCEICAFAACTGC (SEQ ID NO: )
PGTCEICAYGAAGCTGC (SEQ ID NO: )	VDVCEICAFAACTGC (SEQ ID NO: )
PGTCEICAYAGACTGC (SEQ ID NO: )	LDICEICAFAACTGC ( (SEQ ID NO...
PGTCEICAYAAGCTGC (SEQ ID NO: )	
PGTCEICAYAACGCTGC (SEQ ID NO: )	
PGTCEICAYAACTGGC (SEQ ID NO: )	

FIGURE 5